U.S.S.N.: 09/493,783

C. Amendments to the Claims:

Please amend the claims as indicated:

1. (Previously amended) A method of gathering, processing, storing, and displaying information concerning a complex business situation comprising the steps of:

providing a graphical user interface for entering data concerning said complex business situation;

refining said data in a predetermined, stepwise manner through user interaction with said graphical user interface;

generating, through said stepwise manner and said graphical user interface, a list of effective actions for addressing said complex business situation; and

storing said data in an indexed and normalized form in a knowledge base adapted for structured query and retrieval in performing said steps of refining and generating, said knowledge base enabling selection of an in process analysis for modification by a user.

2. (Previously amended) A computer program product comprising-computer readable program code fixed on a computer readable medium operable to receive, process, store, and display information concerning a complex business situation comprising:

computer readable program code for providing a graphical user interface for entering data concerning said complex business situation;

computer readable program code for refining said data in a predetermined, stepwise manner through user interaction with said graphical user interface;

computer readable program code for generating a list of effective actions for addressing said complex business situation through use of said computer readable program code for refining said data; and

computer readable program code for storing said data in an indexed and normalized form in a knowledge base adapted for structured query and retrieval by said computer readable program code for refining said data, said knowledge base enabling selection of an in process

U.S.S.N.: 09/493,783

analysis for modification by a user and said computer readable program code for generating said list.

3. (Previously amended) An apparatus for gathering, processing, storing, and displaying information concerning a complex business situation comprising:

a graphical display device operable to provide a graphical user interface for entering data concerning said complex business situation;

a digital input device for entering said data;

a first memory for storing said data for indexed retrieval;

a processor for refining said data stored in said first memory in a predetermined, stepwise manner through user interaction with said graphical user interface and said digital input device;

a second memory having a set of instructions operable by said processor to generate, through said stepwise manner and said graphical user interface, a list of effective actions for addressing said complex business situation; and

a third memory operable to store said entered data and said refined data in an indexed and normalized form in a knowledge base adapted for structured query and retrieval, said knowledge base enabling selection of an in process analysis for modification by a user.

4. (Previously added) A process for eliciting, processing, storing, and displaying information concerning a complex business situation, the process comprising:

employing a knowledge base providing for structured storage and retrieval of data; employing at least one of:

- a) a situation appraisal process to elicit, store, retrieve and present situation data, the situation data including (i) concerns about the situation and respective attributes of the concerns, the attributes of each concern including a relative priority and a process to be used for further analysis, and (ii) actions to be taken to address the concerns;
- b) a problem analysis process to elicit, store, retrieve and present problem data including an object of a problem in the situation and attributes of the object, the attributes

U.S.S.N.: 09/493,783

including a deviation, possible causes, actions to be taken to confirm a true cause, a confirmed true cause, and actions to be taken to address the confirmed true cause;

- c) a decision analysis process to elicit, store, retrieve and present decision data, the decision data including (i) objectives of a decision regarding the situation and respective attributes of the objectives, the attributes of each objective including an indication of relative importance and at least one alternative, (ii) for each alternative a set of risks and respective probabilities and consequences, (iii) a final decision regarding alternatives to be pursued, and (iv) actions to be taken to implement the final decision; and
- d) a potential side effect analysis process to elicit, store, and present potential side effect data, the side effect data including potential side effects of an action to be taken to address the situation and respective attributes of the potential side effects, the attributes of each potential side effect including a likely cause, actions to be taken to influence the likelihood of occurrence of the side effect, and actions to be taken in the event of occurrence of the side effect; and

employing an action tracker process to (i) retrieve and present actions from the other processes, and (ii) to elicit, store, retrieve and present attributes of the actions, the attributes of each action including a responsible person, a deadline, and status;

wherein each process employs a corresponding set of graphical user interface (GUI) process screens in eliciting data from and presenting data to a user.

- 5. (Previously added) A process according to claim 4, wherein each analysis process further includes providing user performance support.
- 6. (Previously added) A process according to claim 5, wherein providing user performance support includes coaching the user by providing explanations and suggestions about the data being elicited upon an indication by the user that such coaching is desired.
- 7. (Previously added) A process according to claim 5, wherein providing user performance support includes providing examples to the user regarding the data being elicited upon an indication by the user that such providing of examples is desired.



U.S.S.N.: 09/493,783

8. (Previously added) A process according to claim 5, wherein providing user performance support includes providing pop-up definitions of highlighted terms appearing on the GUI process screens in response to the user's selection thereof.

- 9. (Previously added) A process according to claim 7, wherein each analysis process further includes process checking to screen and filter data input by the user to ensure the completeness and correctness thereof.
- 10. (Previously added) A process according to claim 9, wherein the process checking includes misstated information checking to detect skipped steps, unsound data, and incomplete analysis.
- 11. (Previously added) A process according to claim 9, wherein the process checking includes common pitfall checking to advise the user of pitfalls that can be encountered as a result of impreciseness in the data entered by the user.

- 12. (Previously added) A process according to claim 9, wherein the process checking includes sharpening to successively refine entered data considered to be critical to proper analysis.
- 13. (Previously added) A process according to claim 9, wherein the process checking includes notifying the user upon detection of incomplete or incorrect data.
- 14. (Previously added) A process according to claim 13, wherein notifying the user comprises displaying a message to the user as the user attempts to advance to a succeeding GUI process screen.
- 15. (Previously added) A process according to claim 13, wherein notifying the user comprises displaying a message to the user immediately upon detection of the incomplete or incorrect data.
- 16. (Previously added) A process according to claim 9, wherein each analysis process further includes disabling the process checking at the request of the user.
- 17. (Previously amended) A process according to claim 4, wherein each analysis process is usable in either a worksheet mode or an interview mode, each mode being associated with a

U.S.S.N.: 09/493,783

different set of the GUI process screens, the interview mode GUI process screens containing specific questions to elicit a proper type of data from a user.

- 18. (Previously amended) A process according to claim 17, wherein the interview mode GUI process screens include transition screens each summarizing a respective set of process steps to be performed in an immediately-following set of GUI process screens.
- 19. (Previously amended) A process according to claim 17, wherein the interview mode GUI process screens include summary screens each summarizing a respective set of process steps performed and the data entered in an immediately-preceding set of GUI process screens.
- 20. (Previously amended) A process according to claim 17, further operative to toggle between worksheet mode and interview mode upon user demand.
- 21. (Previously added) A process according to claim 4, wherein the attributes for each concern included in the situation data further include seriousness, urgency, and growth of the concern.
- 22. (Previously added) A process according to claim 4, wherein the attributes of each object included in the problem data further include a location and a date pertaining to a deviation thereof.
- 23. (Previously added) A process according to claim 4, wherein the attributes of each object included in the problem data further include "is" and "is not" descriptions.
- 24. (Previously added) A process according to claim 23, wherein the attributes of each object further include distinctions and changes.
- 25. (Previously added) A process according to claim 4, wherein the attributes of each object included in the problem data further include conditions and assumptions associated with the possible causes.
- 26. (Previously added) A process according to claim 4, wherein the indication of relative importance of each objective included in the decision data includes a classification as either a "must" or a "want" and a weight for each objective classified as a "want".



U.S.S.N.: 09/493,783

27. (Previously added) A process according to claim 4, wherein the attributes of at least one objective include multiple alternatives for pursuing the objective, and wherein the decision analysis process further includes ranking the alternatives according to desirability in pursuing the objective.

- 28. (Previously added) A process according to claim 4, wherein the side effect analysis process is a potential problem analysis process, the side effect data is problem data, the potential side effects are potential problems, the likelihood-influencing actions for each potential problem are preventative actions to reduce the likelihood of occurrence, and the event-occurrence actions for each potential problem are contingent actions to diminish the effect of occurrence.
- 29. (Previously added) A process according to claim 4, wherein the side effect analysis process is a potential opportunity analysis process, the side effect data is opportunity data, the potential side effects are potential opportunities, the likelihood-influencing actions for each potential opportunity are promoting actions to increase the likelihood of occurrence, and the event-occurrence actions for each potential opportunity are capitalizing actions to enhance the effect of occurrence.

30. (Previously amended) A process according to claim 4, wherein the action tracking process further includes eliciting, storing, retrieving, and presenting process data from at least one of the other processes in addition to the associated actions.

- 31. (Previously amended) A process according to claim 30, wherein the process data includes concerns from the situation appraisal process.
- 32. (Previously amended) A process according to claim 30, wherein the process data includes objects from the problem analysis process.
- 33. (Previously amended) A process according to claim 30, wherein the process data includes decisions from the decision analysis process.
- 34. (Previously amended) A process according to claim 30, wherein the process data includes potential side effects from the potential side effect analysis process.
- 35. (Currently Amended) A process according to claim 4, wherein the knowledge base is adapted for structured storage and retrieval of keywords by 'the processes, and wherein each

D2

U.S.S.N.: 09/493,783

process further includes (i) assisting the user in identifying keywords in the elicited data, (ii) storing the identified keywords in the knowledge base, and (iii) executing keyword searches of the knowledge base upon the user's demand.

- 36. (Previously added) A process according to claim 4, wherein the GUI process screens contain cells capable of receiving user-entered data and capable of being associated with complex data objects stored in the knowledge base, and wherein each process further includes receiving such user-entered data into the cells and associating such complex data objects with the cells as directed by the user.
- 40. (Previously amended) A process according to claim 4, wherein each analysis process further includes a notes cell used to enter clarifying notes.
- 41. (Currently Amended) A process according to claim 4, further operative to generate reports containing selected portions of the data concerning the complex business situation.
- 43. (Previously added) A process according to claim 4, further operative to generate electronic mail messages containing actions from one or more of the processes and to send the mail messages to one or more other users of the computer program.
- 44. (Previously added) A process according to claim 43, further operative to automatically initiate the generating and sending of the electronic mail messages.
- 45. (Previously added) A process according to claim 43, further operative to send the electronic mail messages to recipients who are not users of the computer program.
- 46. (Currently Amended) A process according to claim 4, wherein the action tracker process further

includes:

selecting a previously entered action file for at least one of review and update, the action file selected from action files on user's systems across a network so as to achieve enterprise wide monitoring of the various process screen sequences being undertaken;



U.S.S.N.: 09/493,783

selecting a concern from the concerns stored in the selected action file; displaying actions entered for the selected concern; and sorting the actions according to specified sort criteria. [FIG. 37 and pages 35-36]

- 47. (Previously amended) A process according to claim 46, wherein the actions are sorted and presented by the when attribute.
- 48. (Previously amended) A process according to claim 46, wherein the actions are sorted and presented by the who attribute.
- 49. (Previously added) A process according to claim 46, wherein the actions are sorted and presented by the status attribute.
- 52. (Previously added) A process according to claim 4, wherein each analysis process further includes querying the knowledge base to draw upon knowledge obtained from prior performances of the processes.
- 53. (Previously added) A process according to claim 52, wherein the querying includes retrieving previously-created queries from the knowledge base and querying the knowledge base therewith.
- 54. (Previously amended) A process according to claim 4, further including specifying an individual responsible for a specified task,
- 55. (Previously added) A process according to claim 4, wherein multiple users are able to access the data in the knowledge base concerning the complex business situation.
- 56. (Previously added) A process according to claim 55, wherein a user is able to selectively incorporate data provided by other users into the knowledge base in association with the complex business situation.
- 57. (Previously added) A process according to claim 55, wherein (i) multiple users are able to copy data from the knowledge base for respective individual use, and (ii) the multiple users are able to store respective separate copies of the data in the knowledge base.
- 58. (Previously amended) A computer-readable medium containing a computer program for eliciting, processing, storing, and displaying information concerning a complex business



U.S.S.N.: 09/493,783

situation, the computer program comprising: program code for accessing a knowledge base providing for structured storage and retrieval of data

a situation appraisal module operative to elicit, store, retrieve and present situation data, the situation data including (i) concerns about the situation and respective attributes of the concerns, the attributes of each concern including a relative priority and a process to be used for further analysis, and (ii) actions to be taken to address the concerns;

a problem analysis module operative to elicit, store, retrieve and present problem data including an object of a problem in the situation and attributes of the object, the attributes including a deviation, possible causes, actions to be taken to confirm a true cause, a confirmed true cause, and actions to be taken to address the confirmed true cause;

a decision analysis module operative to elicit, store, retrieve and present decision data, the decision data including (i) objectives of a decision regarding the situation and respective attributes of the objectives, the attributes of each objective including an indication of relative importance and at least one alternative, (ii) for each alternative a set of risks and respective probabilities and consequences, (iii) a final decision regarding alternatives to be pursued, and (iv) actions to be taken to implement the final decision;

a potential side effect analysis module operative to elicit, store, and present potential side effect data, the side effect data including potential side effects of an action to be taken to address the situation and respective attributes of the potential side effects, the attributes of each potential side effect including a likely cause, actions to be taken to influence the likelihood of occurrence of the side effect, and actions to be taken in the event of occurrence of the side effect; and

an action tracker module operative to (i) retrieve and present actions from the other processes, and (ii) to elicit, store, retrieve and present attributes of the actions, the attributes of each action including a responsible person, a deadline, and status;

wherein each module employs a corresponding set of graphical user interface (GUI) process screens in eliciting data from and presenting data to a user,.

59. (Previously added) A computer-readable medium according to claim 58, wherein each process further includes providing user performance support.



U.S.S.N.: 09/493,783

60. (Previously added) A computer-readable medium according to claim 59, wherein providing user performance support includes coaching the user by providing explanations and suggestions about the data being elicited upon an indication by the user that such coaching is desired.

- 61. (Previously added) A computer-readable medium according to claim 59, wherein providing user performance support includes providing examples to the user regarding the data being elicited upon an indication by the user that such providing of examples is desired.
- 62. (Previously added) A computer-readable medium according to claim 59, wherein, providing user performance support includes providing pop-up definitions of highlighted terms appearing on the GUI process screens in response to the user's selection thereof.
- 63. (Previously added) A computer-readable medium according to claim 58, wherein each analysis process further includes process checking to screen and filter data input by the user to ensure the completeness and correctness thereof.

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- 64. (Previously added) A computer-readable medium according to claim 63, wherein the process checking includes misstated information checking to detect skipped steps, unsound data, and incomplete analysis.
- 65. (Previously added) A computer-readable medium according to claim 63, wherein the process checking includes common pitfall checking to advise the user of pitfalls that can be encountered as a result of impreciseness in the data entered by the user.
- 66. (Previously added) A computer-readable medium according to claim 63, wherein the process checking includes sharpening to successively refine entered data considered to be critical to proper analysis.
- 67. (Previously added) A computer-readable medium according to claim 63, wherein the process checking includes notifying the user upon detection of incomplete or incorrect data.
- 68. (Previously added) A computer-readable medium according to claim 67, wherein notifying the user comprises displaying a message to the user as the user attempts to advance to a succeeding GUI process screen.

U.S.S.N.: 09/493,783

69. (Previously added) A computer-readable medium according to claim 67, wherein notifying the user comprises displaying a message to the user immediately upon detection of the incomplete or incorrect data.

- 70. (Previously added) A computer-readable medium according to claim 63, wherein each analysis process further includes disabling the process checking at the request of the user.
- 71. (Previously amended) A computer-readable medium according to claim 58, wherein each analysis process is usable in either a worksheet mode or an interview mode, each mode being associated with a different set of the GUI process screens, the interview mode GUI process screens containing specific questions to elicit a proper type of data from a user.
- 72. (Previously amended) A computer-readable medium according to claim 71, wherein the interview mode GUI process screens include transition screens each summarizing a respective set of process steps to be performed in an immediately-following set of GUI process screens.
- 73. (Previously amended) A computer-readable medium according to claim 71, wherein the interview mode GUI process screens include summary screens each summarizing a respective set of process steps performed and the data entered in an immediately-preceding set of GUI process screens.
- 74. (Previously amended) A computer-readable medium according to claim 71, wherein each process further includes toggling between worksheet mode and interview mode upon user demand.
- 75. (Previously added) A computer-readable medium according to claim 58, wherein the attributes for each concern included in the situation data further include seriousness, urgency, and growth of the concern.
- 76. (Previously added) A computer-readable medium according to claim 58, wherein the attributes of each object included in the problem data further include a location and a date pertaining to a deviation thereof.
- 77. (Previously added) A computer-readable medium according to claim 58, wherein the attributes of each object included in the problem data further include "is" and "is not" descriptions.



U.S.S.N.: 09/493,783

78. (Previously added) A computer-readable medium according to claim 77, wherein the attributes of each object further include distinctions and changes.

- 79. (Previously added) A computer-readable medium according to claim 58, wherein the attributes of each object included in the problem data further include conditions and assumptions associated with the possible causes.
- 80. (Previously added) A computer-readable medium according to claim 58, wherein the indication of relative importance of each objective included in the decision data includes a classification as either a "must" or a "want" and a weight for each objective classified as "want".
- 81. (Previously added) A computer-readable medium according to claim 58, wherein :he attributes of at least one objective include multiple alternatives for pursuing the objective, and wherein the decision analysis process further includes ranking the alternatives according to desirability in pursuing the objective.



- 82. (Previously added) A computer-readable medium according to claim 58, wherein the side effect analysis process is a potential problem analysis process, the side effect data is problem data, the potential side effects are potential problems, the likelihood-influencing actions for each potential problem are preventative actions to reduce the likelihood of occurrence, and the event-occurrence actions for each potential problem are contingent actions to diminish the effect of occurrence.
- 83. (Previously added) A computer-readable medium according to claim 58, wherein the side effect analysis process is a potential opportunity analysis process, the side effect data is opportunity data, the potential side effects are potential opportunities, the likelihood-influencing actions for each potential opportunity are promoting actions to increase the likelihood of occurrence, and the event-occurrence actions for each potential opportunity are capitalizing actions to enhance the effect of occurrence.
- 84. (Previously amended) A computer-readable medium according to claim 58, wherein the action tracking process further includes eliciting, storing, retrieving, and presenting process data from at least one of the other processes in addition to the associated actions.
- 85. (Previously amended) A computer-readable medium according to claim 84, wherein the process data includes concerns from the situation appraisal process.

U.S.S.N.: 09/493,783

86. (Previously amended) A computer-readable medium according to claim 84, wherein the process data includes objects from the problem analysis process.

- 87. (Previously amended) A computer-readable medium according to claim 84, wherein the process data includes decisions from the decision analysis process.
- 88. (Previously amended) A computer-readable medium according to claim 84, wherein the process data includes potential side effects from the potential side effect analysis process.
- 89. (Previously added) A computer-readable medium according to claim 58, wherein the knowledge base is adapted for structured storage and retrieval of keywords by the processes, and wherein each process further includes (i) assisting the user in identifying keywords in the elicited data, (ii) storing the identified keywords in the knowledge base, and (iii) executing keyword searches of the knowledge base upon the user's demand.



- 90. (Previously added) A computer-readable medium according to claim 58, wherein the GUI process screens contain cells capable of receiving user-entered data and capable of being associated with complex data objects stored in the knowledge base, and wherein each process further includes receiving such user-entered data into the cells and associating such complex data objects with the cells as directed by the user.
- 94. (Previously amended) A computer-readable medium according to claim 58, wherein each process further includes a notes cell to enter clarifying notes.
- 95. (Previously added) A computer-readable medium according to claim 58, wherein the computer program further comprises a report writer program code module operative to perform a report writer process, the report writer process including generating reports containing selected portions of the data concerning the complex business situation.
- 97. (Previously added) A computer-readable medium according to claim 58, wherein the computer program further comprises electronic mail program code operative to generate electronic mail messages containing actions from one or more of the processes and to send the mail messages to one or more other users of the computer program.

U.S.S.N.: 09/493,783

(Previously added) A computer-readable medium according to claim 97, wherein the 98. electronic mail program code is further operative to automatically initiate the generating and sending of the electronic mail messages.

99. (Previously added) A computer-readable medium according to claim 97, wherein the electronic mail program code is further operative to send the electronic mail messages to recipients who are not users of the computer program.

(Previously amended) A computer-readable medium according to claim 58, wherein the 100. action tracker process further includes:

selecting a previously entered action file for at least one of review and update, the action file selected from action files on user's systems across a network so as to achieve enterprise wide monitoring of the various process screen sequences being undertaken;

selecting a concern from the concerns stored in the selected action file; displaying actions entered for the selected concern; and sorting the actions according to specified sort criteria.

101. (Previously amended) A computer-readable medium according to claim 100, wherein the actions are sorted and presented by the when attribute.

102. (Previously amended) A computer-readable medium according to claim 100, wherein the actions are sorted and presented by the who attribute.

103. (Previously added) A computer-readable medium according to claim 100, wherein the actions are sorted and presented by the status attribute.

106. (Previously added) A computer-readable medium according to claim 58, wherein each analysis process further includes querying the knowledge base to draw upon knowledge obtained from prior performances of the processes.

107. (Previously added) A computer-readable medium according to claim 106, wherein the querying includes retrieving previously-created queries from the knowledge base and querying the knowledge base therewith.

U.S.S.N.: 09/493,783

108. (Previously amended) A computer-readable medium according to claim 58, wherein the computer program contains program code operative to specify an individual responsible for executing a specified task.

109. (Previously added) A computer-readable medium according to claim 58, wherein the computer program contains program code operative to enable multiple users to access the data in the knowledge base concerning the complex business situation.

110. (Previously added) A computer-readable medium according to claim 109, wherein the access-enabling program code is further operative to enable a user to selectively incorporate data provided by other users into the knowledge base in association with the complex business situation.

111. (Previously added) A computer-readable medium according to claim 109, wherein the access-enabling program code is further operative to (i) enable the multiple users to copy data from the knowledge base for respective individual use, and (ii) enable the multiple users to store respective separate copies of the data in the knowledge base.

